

4285

Diag. Cht. No. 5534

4285

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>California</u>
11-5613
DESCRIPTIVE REPORT.
Hydro. Sheet No. <u>4285</u>
LOCALITY:
<u>Suisun Bay</u>
<u>Chipp's I. to Entrances of</u>
<u>Sacramento and San Joaquin</u>
<u>Rivers</u>
<u>1923</u>
CHIEF OF PARTY:
<u>O. W. Swainson</u>

Report of Verification and Inking H. 4285.

The records are fair and the notes are usually complete. The protracting and plotting of soundings were well done.

There is a note at the beginning of "e" day which states that right angle sextant has a correction of ~~had a correction~~ of $-1^{\circ}00'$. This correction was made to all the angles throughout the day although a slight improvement in some of the positions would be effected by using the right angle without the correction. But the depths are in close agreement and no appreciable difference would be made by plotting with the corrected or uncorrected right angle, so this question may be considered as settled.

Some of the soundings at the beginning of "f" day were rejected because of disagreement with adjacent soundings and blueprint 17,248.

Frank M. Albert,
Draftsman, Section of Field Records.

Feb. 12, 1924.

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-DEM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

March 5, 1924.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4285

Suisun Bay, California

Surveyed in 1923

Instructions dated March 1, 1922.

Chief of Party, O. W. Swainson.

Surveyed by O. W. Swainson

Protracted and soundings plotted by V.A. Powell

Verified and inked by F. M. Albert.

1. The records conform to the requirements of the General Instructions except that no descriptive report was submitted.
2. The plan and character of development fulfill the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions.
4. The sounding line crossings are adequate.
5. The information is sufficient for drawing the usual depth curves.
6. The usual field plotting was done in the office.
7. The junction with the adjoining sheet is satisfactory.
8. Nearly one-half of this sheet covers areas that have recently been surveyed by the Corps of Engineers, and therefore did not require surveying by the Coast and Geodetic Survey.
9. There are a number of deep soundings that appear to be lead-line errors, but which had to be accepted as there were no notes in the records questioning them.
10. The character of the surveying is good and the field drafting is excellent.
11. Reviewed by E. P. Ellis, February, 1924.

COPY TO FIELD RECORDS

June 12, 1925.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
5 volumes of sounding records for

HYDROGRAPHIC SHEET 4205

Locality: **San Juan Bay, Calif.**

Chief of Party: **O. W. Swainson in 1925**

Plane of reference is **mean lower low water, reading**
5.2 ft. on tide staff at Pittsburg.
auto gauge

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
- ✓ 8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.



Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4285

State . . . California
General locality . . . Suisun Bay
Locality Chippis Island to Entrance of Sacramento and San Joaquin Rivers
Chief of party . . . Q. W. Swainson
Surveyed by . . . Q. W. Swainson
Date of survey Feb 9-24, 1923
Scale 1:10000
Soundings in Feet
Plane of reference . . . Mean Lower Low Water
Protracted by V. A. Powell . . Soundings in pencil by V. A. P. .
Inked by F. M. Albert . Verified by F. M. A.
Records accompanying sheet (check those forwarded):
Des. report, Tide books, 2 Marigrams, 1 Boat sheets,
3 Sounding books, Wire-drag books, Photographs.
Data from other sources affecting sheet

Remarks:

Marigrams and Boat sheets were forwarded previously.